

## JOURNAL NOTICE

NEAL K. VAN ALFEN, JAN E. LEACH, AND STEVEN LINDLOW, EDs. 2013 (Sep). **Annual Review of Phytopathology, Volume 51.** (ISSN: 0066-4286; ISBN: 978-0-8243-1351-7, hbk). Annual Reviews, Inc., 4139 El Camino Way, P.O. Box 10139, Palo Alto, California 94303, U.S.A. (**Orders:** www.AnnualReviews.org, science@annual-reviews.org, 1-800-523-8635, 1-650-493-4400). \$92.00 indiv., 610 pp., 7<sup>7</sup>/<sub>8</sub>" × 9<sup>3</sup>/<sub>8</sub>".

ABOUT THIS JOURNAL—The *Annual Review of Phytopathology*, in publication since 1963, covers the significant developments in the field of plant pathology, including plant disease diagnosis, pathogens, host-pathogen interactions, epidemiology and ecology, breeding for resistance and plant disease management, and includes a special section on the development of concepts.

## Contents of Volume 51:

1. Will Decision-Support Systems Be Widely Used for the Management of Plant Diseases?—*Dani Shtienberg*
2. Chemical Signaling Between Plants and Plant-Pathogenic Bacteria—*Vittorio Venturi and Clay Fuqua*
3. Biology, Epidemiology, and Control of *Heterobasidion* Species Worldwide—*Matteo Garbelotto and Paolo Gonthier*
4. Pine Wood Nematode, *Bursaphelenchus xylophilus*—*Kazuyoshi Futai*
5. The Life History of *Pseudomonas syringae*: Linking Agriculture to Earth System Processes—*Cindy E. Morris, Caroline L. Monteil, and Odile Berge*
6. *Trichoderma* Research in the Genome Era—*Prasun K. Mukherjee, Benjamin A. Horwitz, Alfredo Herrera-Estrella, Monika Schmoll, and Charles M. Kenerley*
7. Experimental Measures of Pathogen Competition and Relative Fitness—*Jiasui Zhan and Bruce A. McDonald*
8. Quiescent and Necrotrophic Lifestyle Choice During Postharvest Disease Development—*Dov Prusky, Noam Alkan, Tesfaye Mengiste, and Robert Fluhr*
9. Status and Prospects of Plant Virus Control Through Interference with Vector Transmission—*C. Bragard, P. Caciagli, O. Lemaire, J.J. Lopez-Moya, S. MacFarlane, D. Peters, P. Susi, and L. Torrance*
10. Diversity and Evolution of Root-Knot Nematodes, Genus *Meloidogyne*: New Insights from the Genomic Era—*Philippe Castagnone-Sereno, Etienne G.J. Danchin, Laetitia Perfus-Barbeoch, and Pierre Abad*
11. Antimicrobial Defenses and Resistance in Forest Trees: Challenges and Perspectives in a Genomic Era—*Andriy Kovalchuk, Susanna Keriö, Abbot O. Oghenekaro, Emad Jaber, Tommaso Raffaello, and Fred O. Asiegbu*
12. MAPK Cascades in Plant Disease Resistance Signaling—*Xiangzong Meng and Shuqun Zhang*
13. The Use and Role of Predictive Systems in Disease Management—*David H. Gent, Walter F. Mahaffee, Neil McRoberts, and William F. Pfender*
14. Impacts of Resistance Gene Genetics, Function, and Evolution on a Durable Future—*Richard W. Michelmore, Marilena Christopoulou, and Katherine S. Caldwell*
15. Virus-Based Transient Expression Vectors for Woody Crops: A New Frontier for Vector Design and Use—*William O. Dawson and Svetlana Y. Folimonova*
16. Paradigms: Examples from the Bacterium *Xylella fastidiosa*—*Alexander Purcell*
17. Advances in Understanding Begomovirus Satellites—*Xueping Zhou*
18. Engineering Plant Disease Resistance Based on TAL Effectors—*Sebastian Schornack, Matthew J. Moscou, Eric R. Ward, and Diana M. Horvath*
19. Nonhost Resistance Against Bacterial Pathogens: Retrospectives and Prospects—*Muthappa Senthil-Kumar and Kirankumar S. Mysore*
20. The Role of Prophage in Plant-Pathogenic Bacteria—*Alessandro M. Varani, Claudia Barros Monteiro-Vitorello, Helder I. Nakaya, and Marie-Anne Van Sluys*
21. Considerations of Scale in the Analysis of Spatial Pattern of Plant Disease Epidemics—*William W. Turechek and Neil McRoberts*
22. *Pseudomonas syringae* pv. *tomato* DC3000: A Model Pathogen for Probing Disease Susceptibility and Hormone Signaling in Plants—*Xiu-Fang Xin and Sheng Yang He*
23. Diseases in Intercropping Systems—*Mark A. Boudreau*
24. Manipulation of Host Proteasomes as a Virulence Mechanism of Plant Pathogens—*Robert Dudler*
25. Centrality of Host Cell Death in Plant-Microbe Interactions—*Martin B. Dickman and Robert Fluhr*
26. Continuous and Emerging Challenges of Potato virus Y in Potato—*Alexander V. Karasev and Stewart M. Gray*
27. Communication Between Filamentous Pathogens and Plants at the Biotrophic Interface—*Mihwa Yi and Barbara Valent*